

ABSTRACT OF THE DISCLOSURE

A method and apparatus for rotating a cross-sectional asymmetrical condition of a laminar flowing material is provided in a hot runner system for supplying a laminar flowing material. The hot runner system has (i) an upstream melt passage, (ii) a pair of intermediary melt passages downstream from the upstream melt passage, and (iii) for at least one intermediary melt passage, an associated pair of downstream melt passages downstream from the at least one intermediary melt passage. The cross-sectional asymmetrical condition of a laminar flowing material is rotated by providing a bending path for orienting at least one path outlet relative to a path inlet to rotate the cross-sectional asymmetrical condition of the laminar flowing material such that the cross-sectional asymmetrical condition is substantially equally divided between the two downstream portions.

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